

LOTRYL® 18MA02

LOTRYL® 18MA02 is a random ethylene-methyl acrylate copolymer.

- Due to the methyl acrylate content, LOTRYL® 18MA02 can be used for applications where softness, flexibility and polarity are required.
- Typical applications are extrusion coating, co-extrusion and compounds.

Typical Properties

	Test Method	Unit	Typical Value
Methyl Acrylate Content	FTIR (internal method)	%.-wt.	18
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	2
Melting Point	ISO 11357-3 / ASTM D3418	°C	83
Density	ISO 1183 / ASTM D792		0.94
Vicat Softening Temperature (10N) ¹	ISO 306 / ASTM D1525	°C	53
Flexural Modulus ¹	ISO 178 / ASTM D790	MPa	50
Elongation at Break ¹	ISO 527-2 / ASTM D638	%	700
Tensile Strength at break ¹	ISO 527-2 / ASTM D638	MPa	13
Hardness Shore D ¹	ISO 868 / ASTM D2240		25

¹: On compression molded samples.

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Processing

LOTRYL® 18MA02 can be processed with standard polyolefin extrusion equipment up to 300°C and it is recommended to purge the equipment after a run is completed.

If LOTRYL® 18MA02 is used pure for instance with blown or cast film technology, standard temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Fittings-Channels	Die
150 - 170°C	170°C	170°C	170°C	170°C	170°C

Final profile and settings depend on the line and multilayer structure being run.

Storage, Handling & Safety

LOTRYL® 18MA02 should be stored in standard conditions and protected from UV-light. Improper storage conditions may cause degradation and could have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of the LOTRYL® 18MA02 are available upon request to your SK Functional Polymer representative or on website www.sk-fp.com.

Shelf Life

Three years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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